day 20

* horizontal tangents (which have slope 0)
have a derivative that go through x-axis

* mins/maxes have derivative of 0.

* pick a random pt.
the slope of the orisinal (tangent)
should match up with the value of deriv.
[checking*]

* function going up ⇒ slope of tangent Pos
⇒ value of deriv above x-axis

* horizontal asymptotes ⇒ 0ish derivative

day 20

* start with one graph
  pick an interval
  - use positive/negative slopes to find either the deriv OR the original

* pick two lines
  - find relationship between those two
    → if one exists, third is first or last
    → if not one, third is in the middle

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day 20

$$\frac{d}{dx}(\sin x) = \cos x$$

$$\frac{d}{dx}(\cos x) = -\sin(x)$$

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day 20

3.3 /1-12

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